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Part of Speech Tagging

REVIEW

CODE REVIEW

HISTORY

Meets Specifications

Great work! 👍

You meet all requirements of rubric and your work shows your effort and understanding of concepts.

Keep Learning and Best of Luck! 😊

General Requirements



- Includes `HMM Tagger.ipynb` displaying output for all executed cells
- Includes `HMM Tagger.html`, which is an HTML copy of the notebook showing the output from executing all cells

The submission includes:

- `HMM Tagger.ipynb`
- `HMM Tagger.html`



Submitted notebook has made no changes to test case assertions

Baseline Tagger Implementation



Emission count test case assertions all pass.

- The emission counts dictionary has 12 keys, one for each of the tags in the universal tagset
- "time" is the most common word tagged as a NOUN

Well Done!

- Emission counts dictionary has 12 keys.
- And "time" is the most common word tagged as `NOUN`.



Baseline MFC tagger passes all test case assertions and produces the expected accuracy using the universal tagset.

- >95.5% accuracy on the training sentences
- 93% accuracy the test sentences

The **Baseline MFC tagger** passes all test case assertions and the accuracy on training & test sentences is above the threshold value of `95.5%` and `93%` respectively.

Calculating Tag Counts



All unigram test case assertions pass

All unigram test case assertions pass.

Nice of you to use the `Counter` module, instead of `for` loop - that's the `pythonic` way to code! 👍



All bigram test case assertions pass



All start and end count test case assertions pass

Well Done, all start and end counts are correctly calculated and test case assertions pass.

Basic HMM Tagger Implementation



All model topology test case assertions pass



Basic HMM tagger passes all assertion test cases and produces the expected accuracy using the universal tagset.

- >97% accuracy on the training sentences
- >95.5% accuracy the test sentences

The **Basic HMM tagger** passes all test case assertions and the accuracy on training & test sentences is above the threshold value of 97% and 95.5% respectively.

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